

• COLORADO RIVER •
AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT

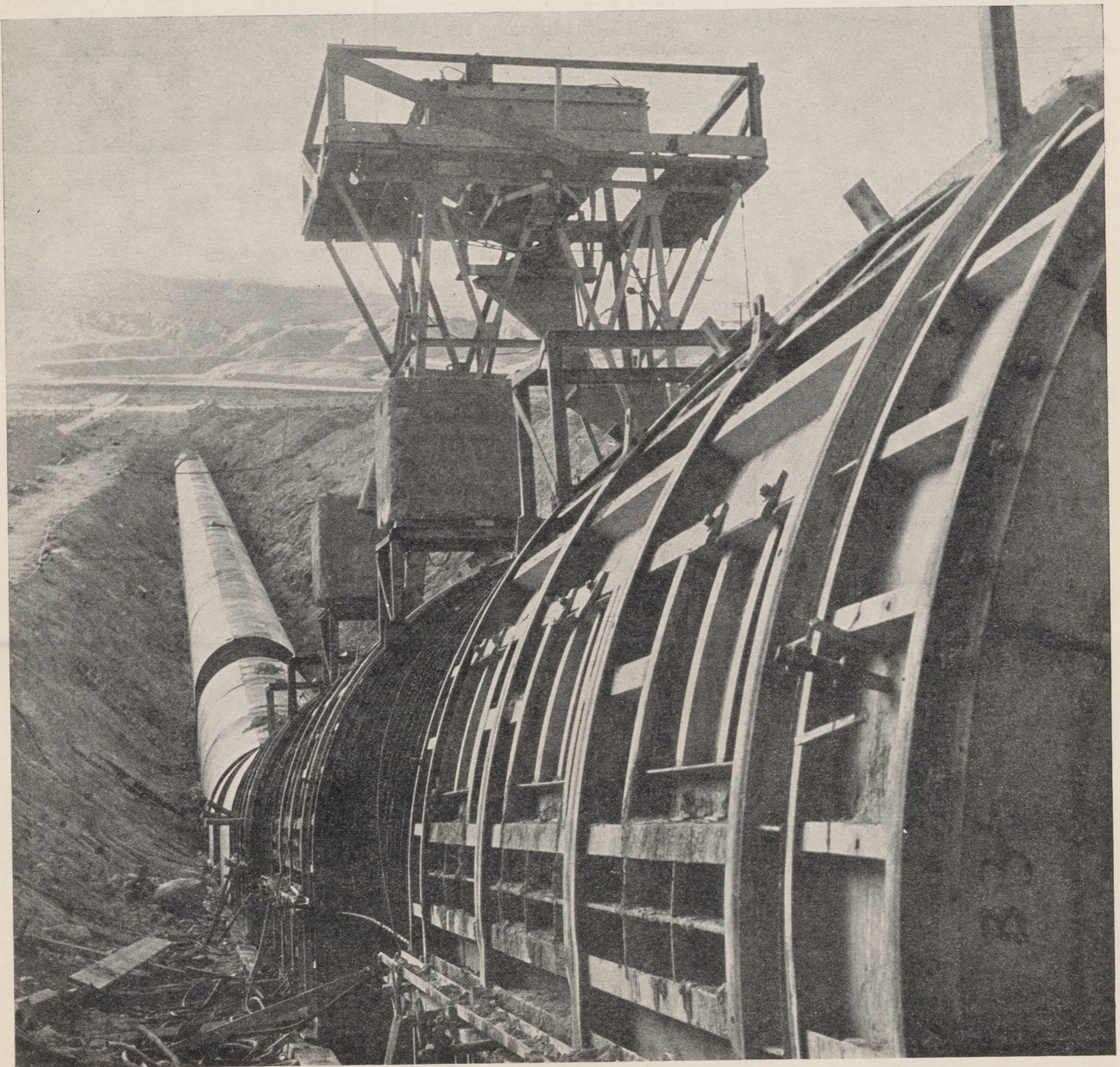


OF SOUTHERN CALIFORNIA

Vol. III.

JANUARY 8, 1936

No. 1.



J. F. Shea Company's Big Morongo Siphon Job.

AQUEDUCT HIGHLIGHTS OF 1935



Above—Wide Canyon tunnel No. 1 holed through. Below—New type pumpcrete machine begins concreting of Coachella tunnels. Upper right—Aqueduct open work concreting begins. Center right—World's largest drill jumbo put in use as work resumed on Parker dam diversion tunnels. Lower right—Cajalco dam work gets under way.

MONTH BY MONTH

January—Contracts awarded on Monrovia and Pasadena tunnels of Distribution System.

February—District crews hole out east end of East Coachella tunnel.

March—Work on first aqueduct conduit section (Schedule 14) started.

April—Whitewater tunnels completed.

May—Concreting operations started in Bernasconi tunnel.

June—R. F. C. agrees to purchase an additional \$36,000,000 worth of aqueduct bonds.

July—Bids received on San Rafael and Monrovia No. 4 tunnels of Distribution System.

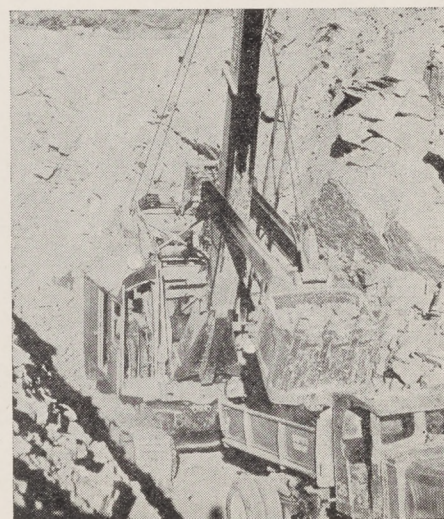
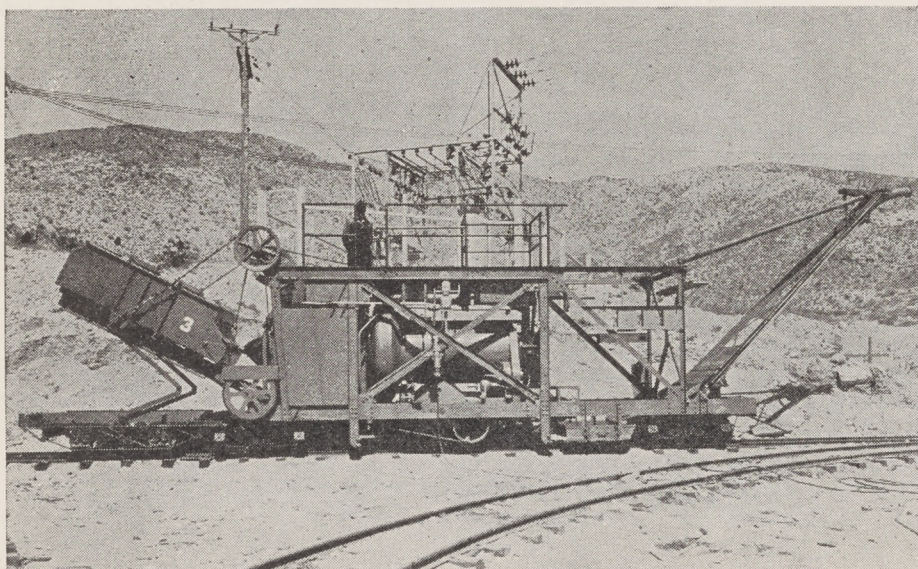
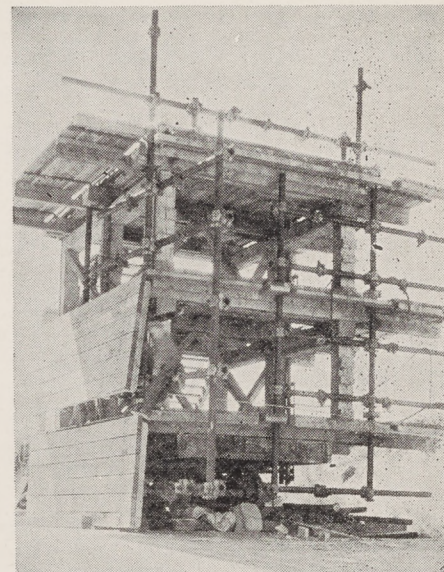
August—Contract awarded for Cajalco dam and reservoir.

September—Employees' picnic at Brookside Park.

October—Preliminary work started on Boulder Dam-Aqueduct power transmission line.

November—First contracts awarded for pumping plant construction.

December—Thousand Palms tunnel holed through.



Bids Are Received On New Sections Of Pipe Line

Apparent low bids totaling \$7,423,486 were received Tuesday by Metropolitan Water District engineers for construction of a new sixteen and one-half mile link in the Colorado River Aqueduct distribution system.

The work on which bids were received covered steel and precast concrete pipe-line between Cajalco reservoir, near Riverside, and a point ten miles west of San Bernardino. Also included was the construction of a 900-foot steel bridge which will carry the aqueduct line across the Santa Ana River at a point about five miles west of Riverside.

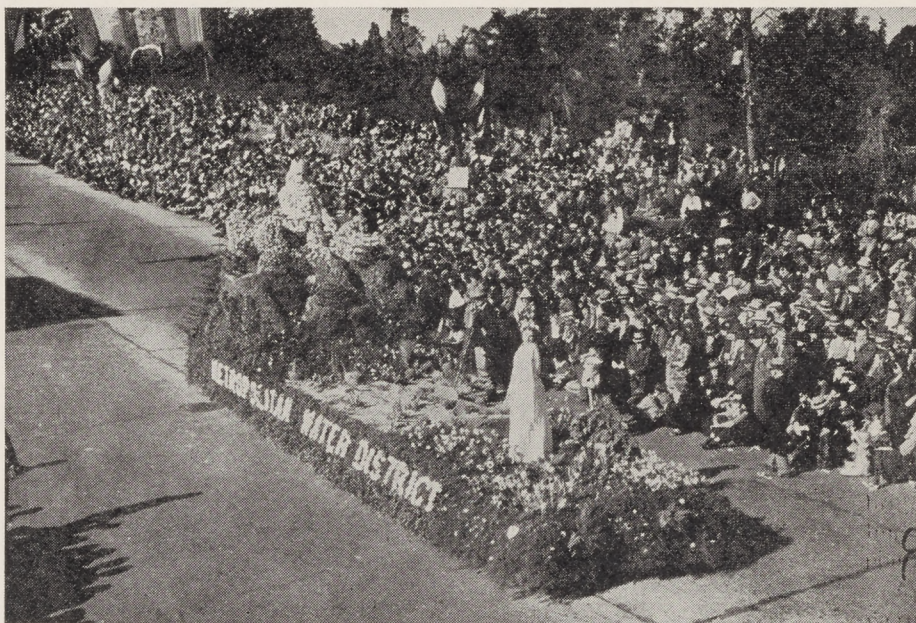
Apparent low bidders on the work were the American Concrete and Steel Pipe Company and the Western Pipe and Steel Company. The former firm bid \$1,371,890 on the construction of six miles of precast concrete pipe line, eleven feet eight inches in diameter. The latter firm submitted a price of \$4,047,375 for the construction of ten and one-third miles of nine feet eight inches to twelve feet diameter steel pipe and \$159,663 for the bridge.

District engineers emphasized the fact that the figures released are tentative in that a final check of the bidding sheets has not yet been completed.

The new line will begin on the north side of Cajalco reservoir, terminal storage basin at the western end of the main aqueduct, and will extend almost due north, past Arlington and through the Pedley Hills, to a point in Fontana, between Valley and Foothill boulevards. There the new line will connect with other aqueduct sections already under contract, extending west toward Los Angeles and the twelve other cities of the Metropolitan Water District.

NOTICE!

For the benefit of readers who have saved their copies of the NEWS during the past year, arrangements have been made for the printing of an index for Volume 2. The index page size will be the same as that of the pages of the NEWS and may be bound with the year's back issues. Persons desiring a copy of the index should write to the AQUEDUCT NEWS, 306 W. Third Street, Los Angeles.



The Metropolitan Water District float in the Tournament of Roses Parade in Pasadena on New Year's Day. On the float are Miss Glorya Curran, personifying the spirit of the District cities, and Ed Wintz, of the engineering staff of Division 6, who personified the forces planning and building the aqueduct.

Third Anniversary Is Celebrated

Employees of the District's labor employment office, at 770 South San Pedro Street, Los Angeles, celebrated the third birthday of that office on Tuesday, January 7.

Colonel Nat Jamieson and Miss Olga Moehlman were jointly master and mistress of ceremonies. Miss Moehlman and the other girls in the office had prepared a luncheon featuring weiners, buns, potato salad, and lots of other goodies. The climax of the luncheon celebration was reached when Miss Moehlman carved a large and delicious birthday cake.

Misses Thelma Jones and Dorothy Goddard, and Don Kinsey of the Miscellaneous Activities Division were special guests. Members of the labor office staff attending the festivities were Col. Jamieson, Capt. J. H. Twyman, H. B. McAfee, Jean E. Nelson, Arthur G. Volbrecht, and C. H. Jacobs, contractors' representative; Misses Olga Moehlman, Winifred Guay, Victoria Padilla, Cecil Ross, Frances Tibbett, Martha Gilbert, and Jennie Lindberg.

The District's labor employment office was established on January 7, 1933, with Col. Jamieson in charge and Miss Moehlman as his secretary. Since that time more than 110,000 labor applica-

District Float In Parade

The story of the Colorado River Aqueduct was portrayed in the float entered in the Pasadena Tournament of Roses Parade by the Metropolitan Water District of Southern California on New Year's Day.

The float told the story of the bringing of Colorado River water, with its source in the snow-covered peaks of the Rocky Mountains, over a 300-mile aqueduct system, to sustain and further develop the rich resources of Southern California.

At one end of the float was depicted the Rocky Mountains with typical mountain flowers, foliage, and snow, and all surmounted by a figure of the Snow King from whose outstretched hands flows an everlasting supply of snow water. Below the mountain stretches out the cactus-studded desert which separates the Colorado River from the cities and flowers of Southern California, which was depicted on the other end of the float with the figure of a beautiful girl (Miss Glorya Curran) personifying the spirit of the thirteen cities in the Metropolitan Water District.

tions have been received and classified, more than 55,000 applicants have been interviewed, and something more than 25,000 applicants have passed through the labor office for employment on the aqueduct over varying periods of time.

Thousand Palms
Dist. Force Acct.
.....Lyle McMillen, Gen. Fore.
Wide Canyon—
Dist. Force Acct.,
.....Kenneth MacIsaac

From West Portal		15,499	87	6.8	588	9,171	2,196	Arch	149	42.4	6,318	35,439	210,283
TOTALS		245,722	711	6.0	4,288	200,898	44,824	Invert	20	191.9	3,838	3,838	241,884
		Ft. Miles											
WEST CONSTRUCTION CO.	MONROVIA NO. 1 (From W.P.)	7,865	85	10.7	910	6,408	1,457					0	7,865
	MONROVIA NO. 2 (From Jct. 1)	940			0	238	642					0	940
	MONROVIA NO. 3 East from Adit	(32,105)	85	9.9	842	(10,438)	(21,667)					0	(32,105)
	Fish Canyon Adit	11,340			0	2,398	8,942						
	West from Adit	1,746	78	5.8	452	1,746	0						
DIXON, BENT BROS. & JOHNSON	MONROVIA NO. 4 (From W.P.)	20,765	84	11.7	984	6,046	12,725					0	8,096
	SIERRA MADRE (From E. P.H.)	8,096	85	6.2	529	742	7,354					0	8,096
	PASADENA EAST	6,450	50	24.5	1,226	3,372	3,078					0	6,450
	PASADENA (From West Portal)	5,504	50	27.2	1,362	3,797	1,707					0	5,504
	SAN RAFAEL NO. 1 (From W.P.)	4,077	85	8.6	735	2,057	2,020					0	4,077
TOTALS		82,838	602	11.7	7,040	39,252	43,586					0	82,838
		(15.69)			(1.33)	(7.43)	(8.26)						

CANAL, CONDUIT AND SIPHON PROGRESS—PROGRESS PERIOD—DEC. 1 TO DEC. 14, 1935

SCHED. NO.	CONTRACTOR	FEATURES	Length in Feet	EXCAVATION—Feet		CONCRETE—Feet		BACKFILL—Feet	
				Period	To Date	Period	To Date	Period	To Date
1	AQUEDUCT CONSTR. CO.	Conduit and Siphons	22,025	853	13,275	1,015	5,910	500	4,310
2	BARRETT & HILP AND MACCO CORP.	Canal and Siphons	30,569	1,085	17,718	709	2,194	431	30,138
3		Canal and Siphons	40,849		37,054	1,640	11,096	0	12,695
4	JAHN & BRESSI CONSTR. CO.	Canal and Siphons	53,218	1,400	34,200	2,274	2,274	0	3,075
5		Canal and Siphons	53,588	543	52,638	1,596	52,153	0	3,420
6	WOOD AND BEVANDA	Siphon	15,520	1,025	2,630	0	0	0	15,520
7	BARRETT & HILP & MACCO CORP.	Canal and Conduit	27,727	2,430	24,890	2,003	23,320	0	11,200
8	WOOD AND BEVANDA	Canal and Siphons	49,559	470	49,190	586	48,860	879	6,683
9	UTAH CONSTRUCTION CO.	Canal, Conduit and Siphons	47,449	2,010	30,630	693	20,573	178	6,109
10	AQUEDUCT CONSTR. CO.	Canal and Siphons	41,505	1,445	38,995	2,727	30,453	480	4,410
11	THREE COMPANIES, INC.	Canal, Conduit and Siphons	44,507		0	44,507	44,507	0	10,462
12		Canal and Siphons	33,446		*26,980	1,264	12,084	1,314	10,690
13	AQUEDUCT CONSTR. CO.	Canal, Conduit and Siphons	32,366	27	32,327	0	0	0	22,756
14	THOMPSON-STARRETT CO.	Conduit and Siphon	35,849	138	20,818	1,485	10,775	975	5,605
15		Conduit and Siphons	35,849		0	35,849	35,849	0	26,761
16		Conduit and Siphons	19,359		0	19,359	19,359	0	19,359
17	M. W. D.—FORCE ACCT.	Conduit and Siphons	22,119	465	6,365	264	593	0	22,119
18	J. F. SHEA CO., INC.	Conduit and Siphons	27,564	214	1,078	325	6,125	0	27,564
18J	MORRISON-KNUDSEN CO.	Siphons	9,811	230	7,560	0	0	0	3,170
19		Conduit and Siphon	37,464	0	0	0	0	0	37,464
20	J. F. SHEA CO., INC.	Siphons	18,618	0	18,618	0	18,618	0	18,618
20 A & B	GRIFFITH COMPANY (Outlet Channel Unlined)	Siphons	735	0	705	810	10,335	0	735
21		Siphons	14,613	0	3,613	0	0	0	5,998
22		Siphon	7,229	0	0	0	0	0	7,229
23		Conduit and Outlet Channel	38,699	915	25,715	722	21,837	800	20,617
TOTALS			757,658	13,250	420,086	20,113	277,200	6,099	91,197

COMPLETED FEATURES *Adjusted Totals

CANAL, CONDUIT AND SIPHON					TUNNELS				
CONTRACTOR	CONTRACTOR	FEATURE AND NAME OR SCHEDULE	Length in Miles	Work Started	Work Completed	CONTRACTOR	CONTRACTOR	FEATURE AND NAME OR SCHEDULE	Length in Miles
UNITED CONC. PIPE CO. M.W.D.—FORCE ACCT. GRIFFITH COMPANY	UNITED CONC. PIPE CO. M.W.D.—FORCE ACCT. GRIFFITH COMPANY	LITTLE MORONGO SIPHON FAN HILL COND. & SIPHON SCHEDULE NO. 20-C	0.13	2-27-34	8-20-34	MORRISON-KNUDSEN CO.	MECCA PASS Nos. 1, 2 & 3	1.13	7-17-33
			0.32	10-21-33	11-19-34	WEST CONSTRUCTION CO.	WHITEWATER Nos. 1 & 2	1.94	4-15-35
			1.33	5-3-35	9-14-35	HAYFIELD NO. 2		1.03	7-8-33
						BERNASCONI		1.18	4-19-33
						COTTONWOOD		3.81	6-14-33
TOTALS			1.78			TOTALS		9.09	

(Dams)
Catalco dam, The Griffith Co.,
Rex B. Sawyer, Gen. Supt.
Farker dam, Six Cos., Inc., Perry
Yates, Gen. Supt.